## AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) A system for mirroring write operations from a local storage system onto a remote storage system, the system comprising:
  - an AIM asynchronous mirroring driver resident in the local storage system for intercepting I/O transactions to a storage disk of the local storage system, identifying a series of write transactions to said storage disk, making a copy of the series of write transactions, and storing said copy in at least one of a series of files that are created on a file-system of the local storage system without requiring a consolidation of the series of write transactions;
  - a first AIM asynchronous mirroring coordinator resident on the local storage system for invoking a file transfer system to transmit the newly created series of files on the local file-system of the local storage system to a file system of the remote storage system via a non-proprietary network protocol; and
  - a service that sends the write transactions series of files to a network to which a remote storage system is connected.
- 2. (Currently Amended) The system claim 1 further comprising:
  - a second AIM asynchronous mirroring coordinator resident on the remote storage
    system for detecting the newly arrived series of files on the file system of the
    remote storage system, opening the files and reading the copies of the I/O series
    of write transactions in these files; and
  - an AIM asynchronous mirroring driver resident on the remote storage system for receiving the copies of the <del>I/O</del> series of write transactions from the second AIM asynchronous mirroring coordinator and issuing the transactions to a remote

device connected to the remote storage system which is configured to mirror the local storage device on the local storage system.

3. (Currently Amended) A method for mirroring write operations from a local storage system to a remote storage system, the method comprising the steps of:

intercepting I/O transactions to a storage disk of the local storage system;

identifying a series of write transactions to said storage disk from the intercepted I/O transactions;

making eopies a copy of the series of write transactions;

- storing said copy in <u>at least one of</u> a series of files that are created on the <u>a</u> local filesystem of the local storage system <u>without requiring a consolidation of the series</u> of write transactions;
- invoking a file transfer system to transmit, via a non-proprietary network protocol, the

  newly created series of files from the local file-system of the local storage

  system to a network to which the remote storage system is connected; and

  writing data respectively corresponding to the series of write transactions the

  transaction to the storage device of the remote storage system.
- 4. (Currently Amended) The method of claim 3, further comprising:

  passing the eopies of the I/O series of write transactions to a driver issuing the

  transactions to storage device of the remote storage system, which is configured
  to mirror the storage device on the local storage system.
- 5. (Currently Amended) A computer program product for mirroring write operations from a local storage system to a remote storage system, the computer program product comprising:

- an AIM asynchronous mirroring driver software module for intercepting I/O transactions to a storage disk of the local storage system, identifying a series of write transactions to said storage disk, making a copy of the series of write transactions, and storing said copy in at least one of a series of files that are created on a file-system of the local storage system;
- a first AIM asynchronous mirroring coordinator software module for invoking a configured file transfer system to transmit the newly created series of files it finds on the file-system of the local storage system to a file system on the remote storage system via a non-proprietary network protocol; and a service that sends the write transactions series of files to a remote storage system is connected by a network.
- 6. (Currently Amended) The computer program product of claim 5 further comprising:
  - a second AIM asynchronous mirroring coordinator software module installed on the remote storage system for detecting newly arrived the series of files on the file system of the remote storage system, opening the files and reading the copies of the I/O series of write transactions in these files, and issuing the copies of the I/O series of write transactions to a storage device connected to the remote storage system that is configured to mirror the storage device on the local storage system.
- 7. (Currently Amended) The system of claim 1, wherein the file comprises individual ones of the series of files comprise:
  - a Header portion that includes information on the total size of the file;

- an I/O Control Block portion which indicates address offsets where each transaction in the file is to be stored on the remotely located destination storage system, and which further indicates the size of the data for each transaction; and a Data portion which contains the data for each transaction in the file.
- 8. (Currently Amended) The system of claim 7, wherein the Header portion of the file further includes:
  - a pointer to the I/O Control Block portion which indicates the offset where the I/O

    Control Block portion of the file begins; and
    a pointer to the Data portion, which indicates the offset where the Data portion of the
- 9. (Currently Amended) The system of claim 1, wherein the AIM asynchronous mirroring driver intercepts all I/O transactions in the system.
- 10. (Original) The method of claim 3, wherein intercepting I/O transactions comprises intercepting all I/O transactions in the system.
- 11. (Currently Amended) The computer program product of claim 4 5, wherein the AIM asynchronous mirroring driver module intercepts all I/O transactions in the system.
- 12-17. (Cancelled).

file begins.

- 18. (Currently Amended) The system of claim 1, wherein the AIM asynchronous mirroring driver intercepts a transaction affecting the content or organization of a disk.
- 19. (Original) The method of claim 3, wherein intercepting I/O transactions comprises intercepting a transaction affecting the content or organization of a disk.

- 20. (Currently Amended) The computer program product of claim 1, wherein the AIM asynchronous mirroring driver module intercepts a transaction affecting the content or organization of a disk.
- 21. (New) The system of claim 1, wherein the series of write transactions is one of a plurality of series of I/O transactions that are respectively retained in corresponding ones of the series of files, and individual ones of the series of files include pointers to accommodate sequencing the series of files, whereby a transaction level record of changes to the storage disk of the local storage system is provided for the remote storage system.
- 22. (New) The system of claim 21, wherein the plurality of series of I/O transactions include at least one formatting transaction and/or at least one partitioning transaction.
- 23. (New) The method of claim 3, wherein the series of write transactions is one of a plurality of series of I/O transactions that are respectively retained in corresponding ones of the series of files, and individual ones of the series of files include pointers to accommodate sequencing the series of files, whereby a transaction level record of changes to the storage disk of the local storage system is provided for the remote storage system.
- 24. (New) The method of claim 23, wherein the plurality of series of I/O transactions include at least one formatting transaction and/or at least one partitioning transaction.
- 25. (New) The computer program product of claim 5, wherein the series of write transactions is one of a plurality of series of I/O transactions that are respectively retained in corresponding ones of the series of files, and individual ones of the series of files include pointers to accommodate sequencing the series of files, whereby a transaction level record of changes to the storage disk of the local storage system is provided for the remote storage system.

26. (New) The computer program product of claim 25, wherein the plurality of series of I/O transactions include at least one formatting transaction and/or at least one partitioning transaction.